



TITLE: "METHOD AND SYSTEM FOR AUTOMATICALLY DOCUMENTING SYSTEM COMMAND  
FILE TAGS AND GENERATING SKELETON DOCUMENTATION CONTENT THEREFROM"

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Attorney Docket #: CSCO-71241

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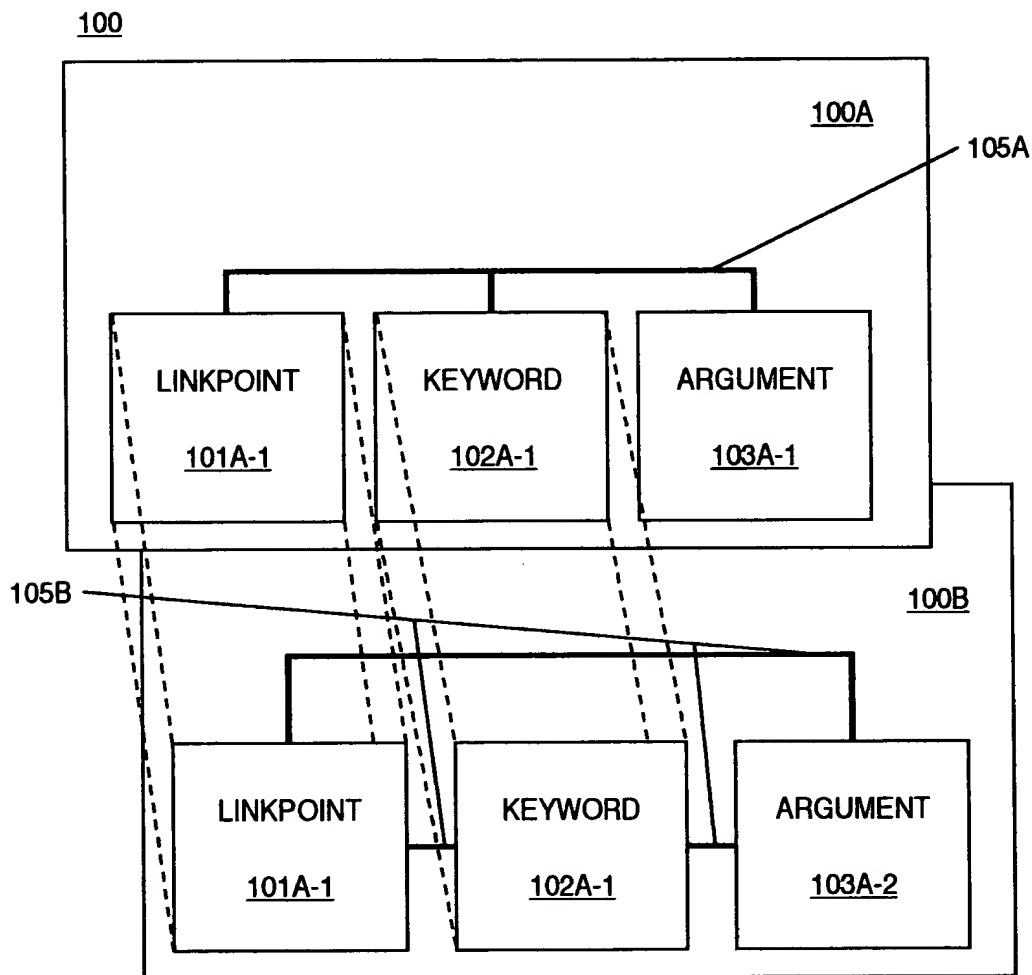


Fig. 1

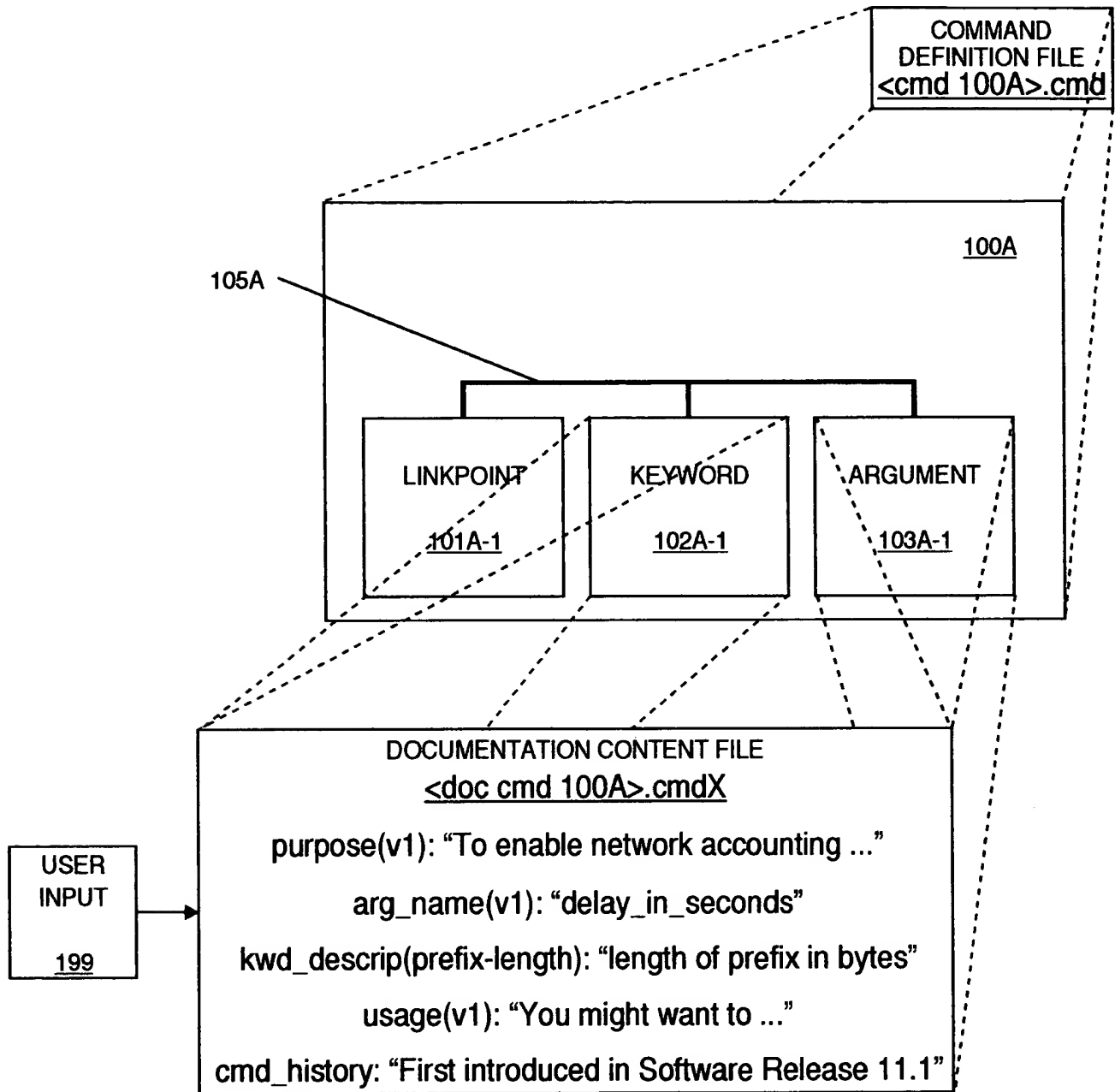


Fig. 2

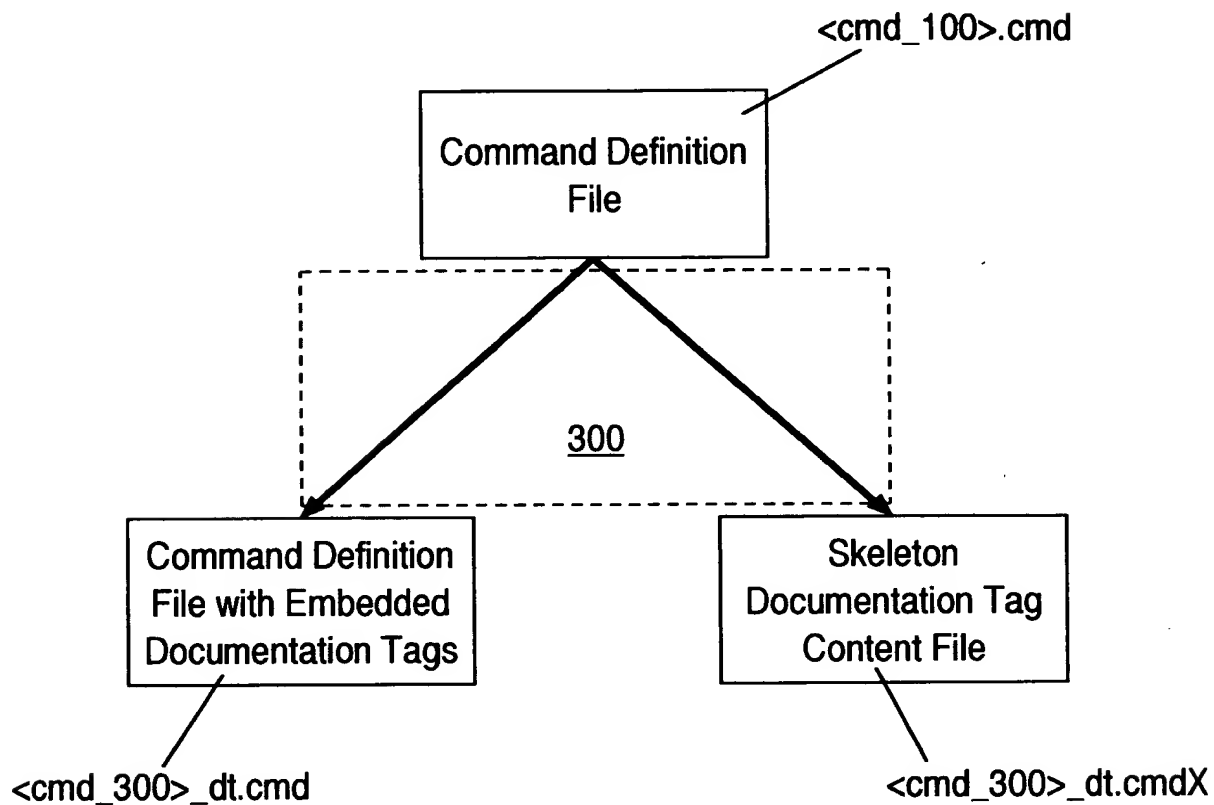


Fig. 3A

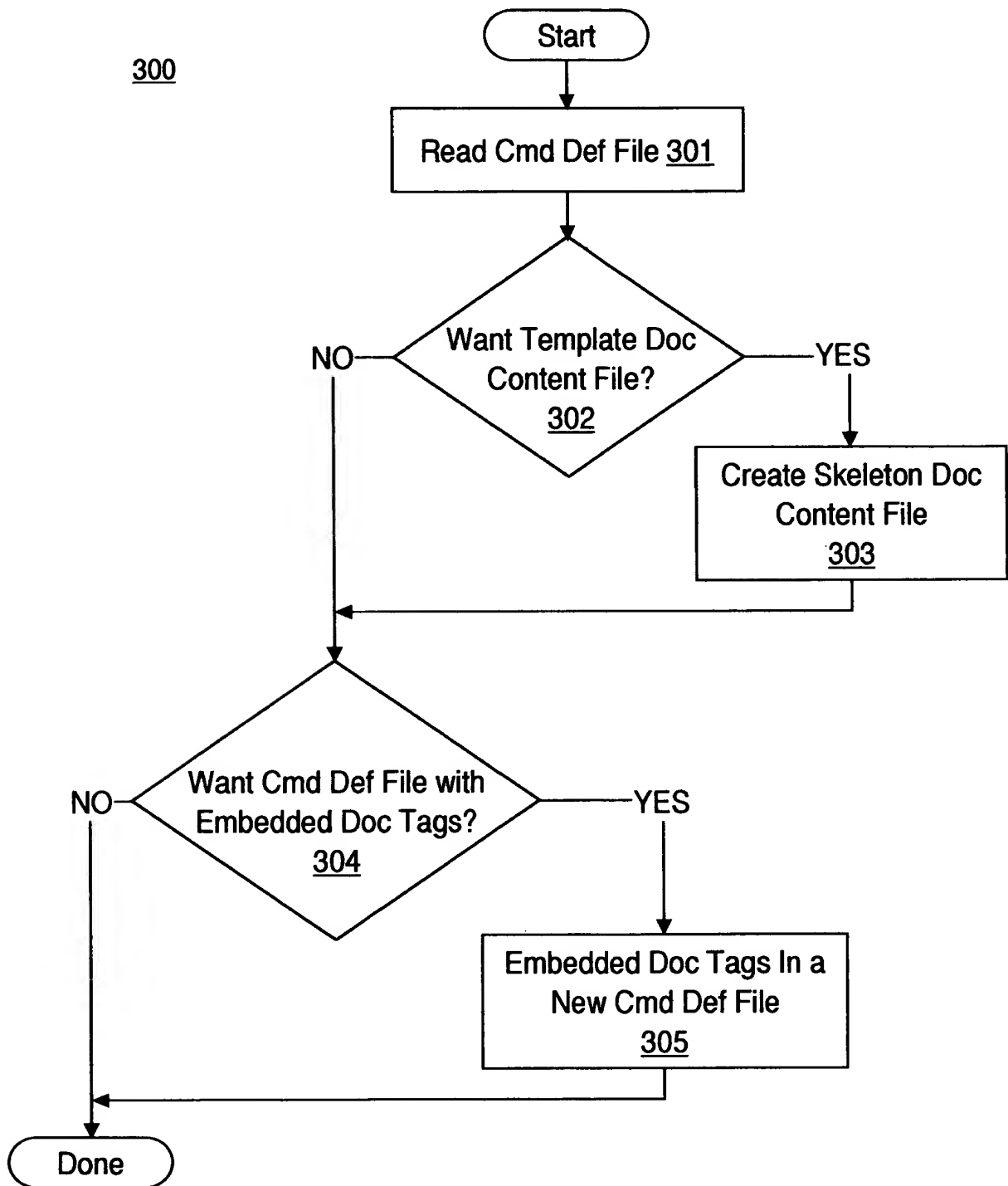


Fig. 3B

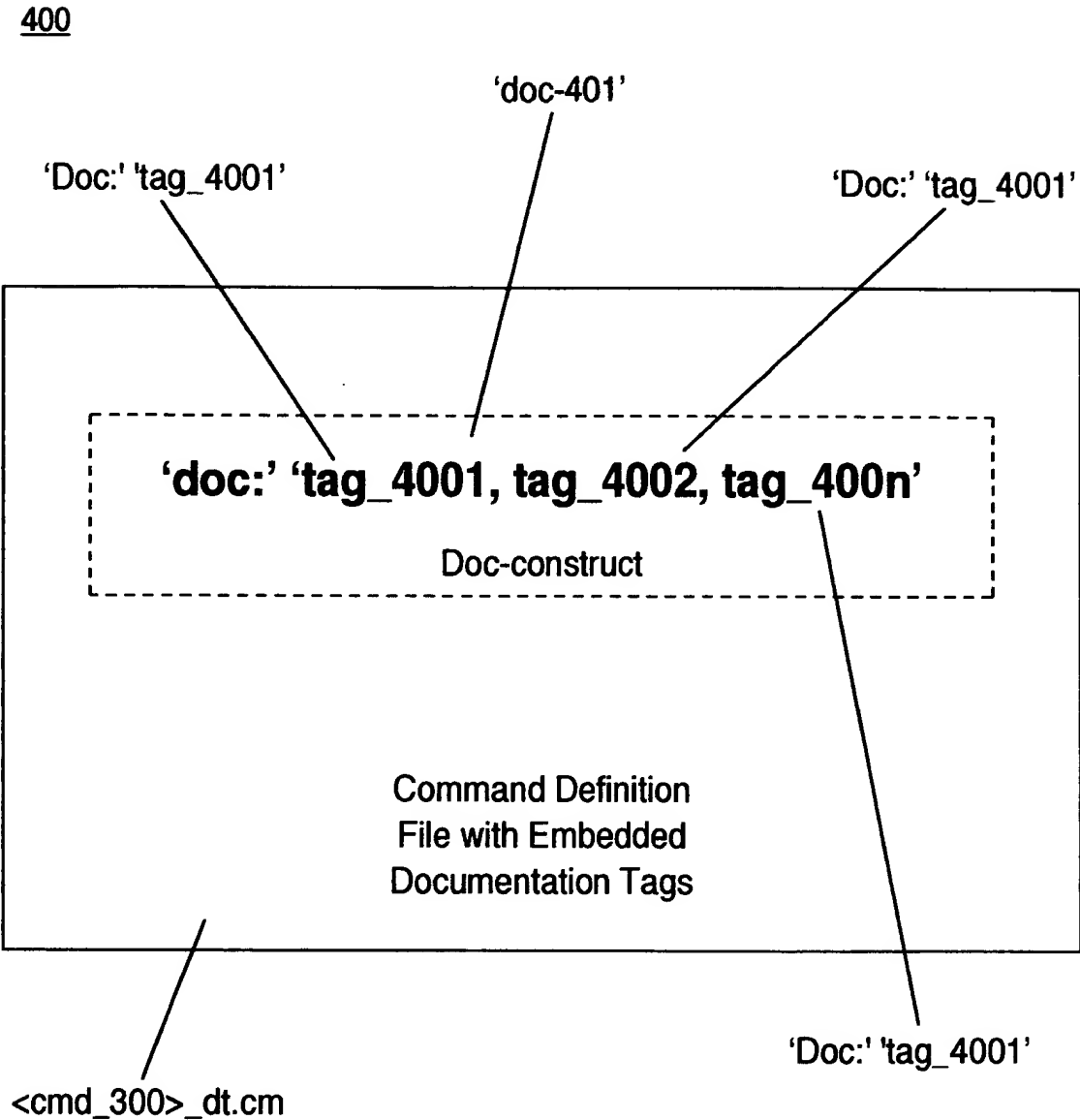


Fig. 4

500

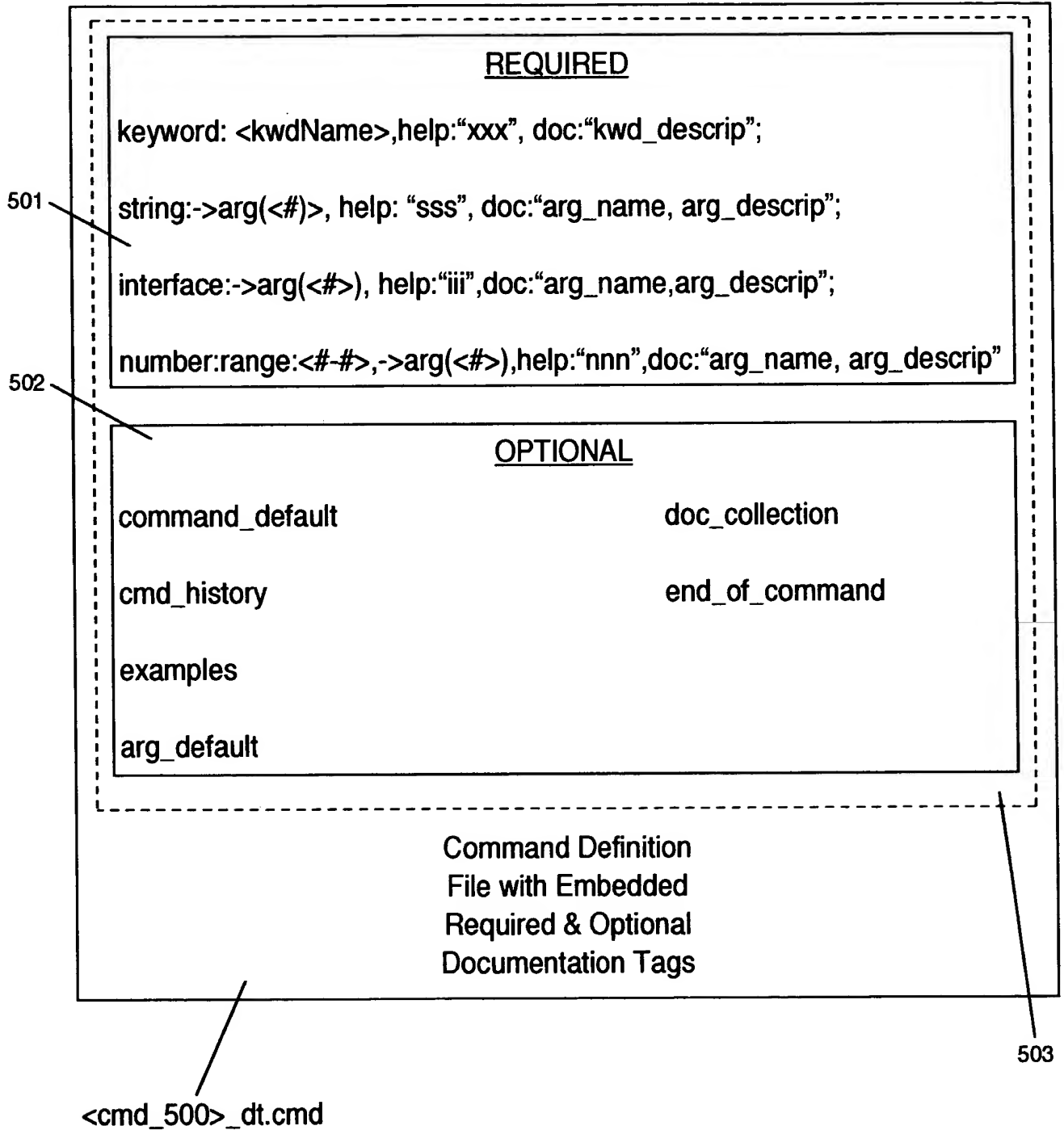


Fig. 5

601

REQUIRED TAGS after 'help' for Keywords and Arguments

keyword: <kwdName>,help:"xxx", doc:"kwd\_descrip";

string:->arg(<#>), help: "sss", doc:"arg\_name, arg\_descrip, arg\_default";

interface:->arg(<#>), help:"iii",doc:"arg\_name,arg\_descrip,arg\_default";

number:range:<#-#>,->arg(<#>),help:"nnn",doc:"arg\_name,arg\_descrip.."

602

OPTIONAL & REQUIRED TAGS in Document Collection Added before endofcmd

doc-collection:"purpose,cmd\_default,cmd\_history,usage,example,related\_cmds";  
endofcmd: ...

603

EXEMPLARY OPTIONAL DOC TAGS with Values from Doc Content File

command\_default: "the default behavior is to turn logging off"

cmd\_history(v1):"First introduced in release 11.1"

examples(v1): "Following is sample usage of and output from the 'show disk  
space' command:

>show disc space<filesystem1>Filesystemtotal-memory used unused  
<filesystem1> 300M 50M 250M"

Fig. 6

CmdX documentation tag format:

<doc\_tag\_name>(v<variant-#>, <arg-#>): "<doc\_tag\_value>"

Exemplary CmdX Dog-Tags:

arg\_name(v1, 3): "number of seconds to delay"  
kwd\_descrip(v2, format): "format a disk"  
usage(v3): "This command is used to clear the cache"

Fig. 7



flash\_fsck.cmd

```
chainname: exec_flash_fsck;
chainpoint: "exec";
linkpoint:  ";
privilage:  root;

/*
 *fsck
keyword:  fsck,
    help: "File system check for flash devices";

keyword:  nocrc,
    help: "Crc check not required";

string:
    -> arg(1),
    help: "Name of flash Device";

endofcommand;
```

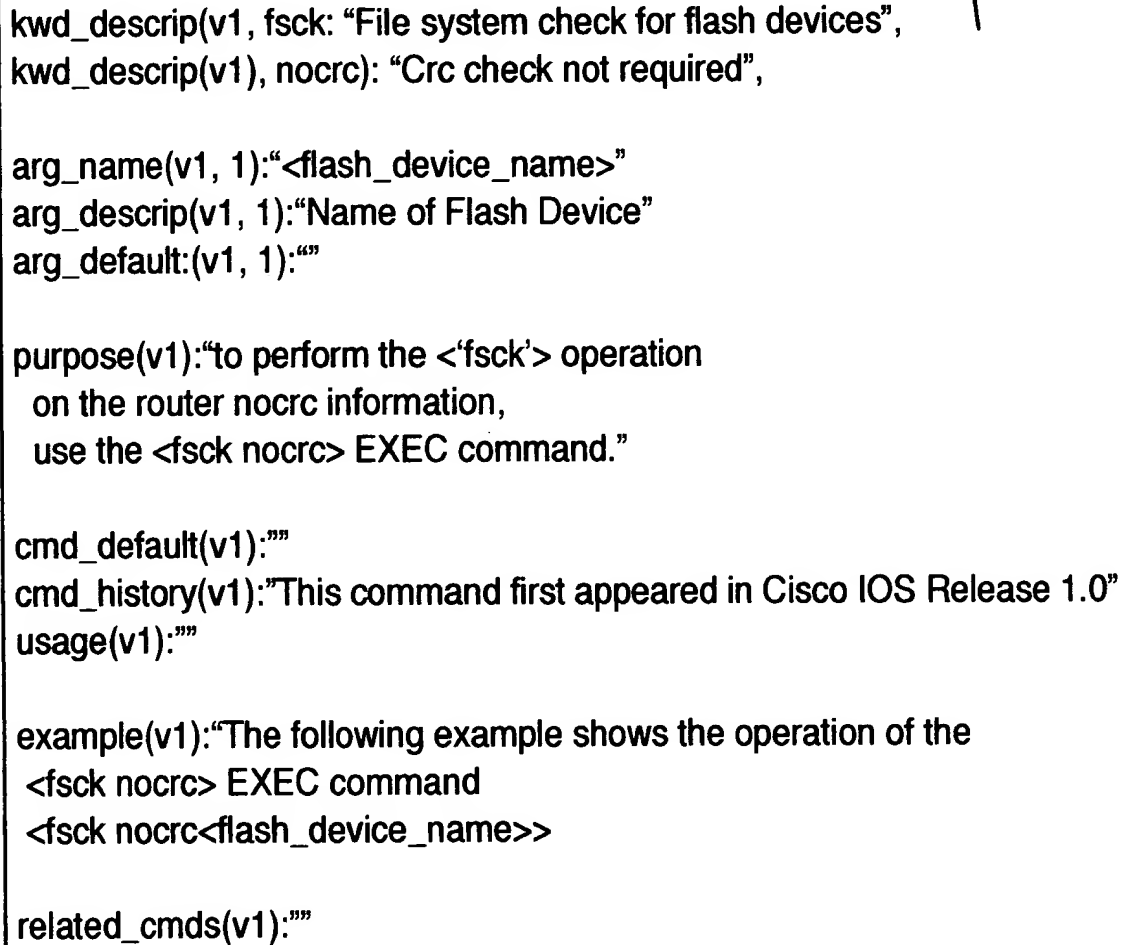
Fig. 8A

flash\_fsck\_dt.cmd

```
chainname: exec_flash_fsck;  
chainpoint: "exec";  
linkpoint:  " ";  
privilege:  root;  
  
/*  
 *fsck  
 */  
keyword:   fsck,  
    help: "File system check for flash devices",  
    doc: "kwd_descrip";  
  
keyword:   nocrc,  
    help: "Crc check not required",  
    doc: "kwd_descrip";  
  
string:  
    -> arg(1),  
    help: "Name of Flash Device",  
    doc:  "arg_name,arg_descrip,arg_default";  
  
doc_collection:  
    "purpose,cmd_default,cmd_history,usage,example,related_cmds";  
  
endofcommand;
```

Fig. 8B

flash\_fsck\_dt.cmdX



```
kwd_descrip(v1, fsck: "File system check for flash devices",  
kwd_descrip(v1), nocrc): "Crc check not required",  
  
arg_name(v1, 1): "<flash_device_name>"  
arg_descrip(v1, 1): "Name of Flash Device"  
arg_default(v1, 1): ""  
  
purpose(v1): "to perform the <'fsck'> operation  
on the router nocrc information,  
use the <fsck nocrc> EXEC command."  
  
cmd_default(v1): ""  
cmd_history(v1): "This command first appeared in Cisco IOS Release 1.0"  
usage(v1): ""  
  
example(v1): "The following example shows the operation of the  
<fsck nocrc> EXEC command  
<fsck nocrc<flash_device_name>>  
  
related_cmds(v1): ""
```

Fig. 8C

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900A

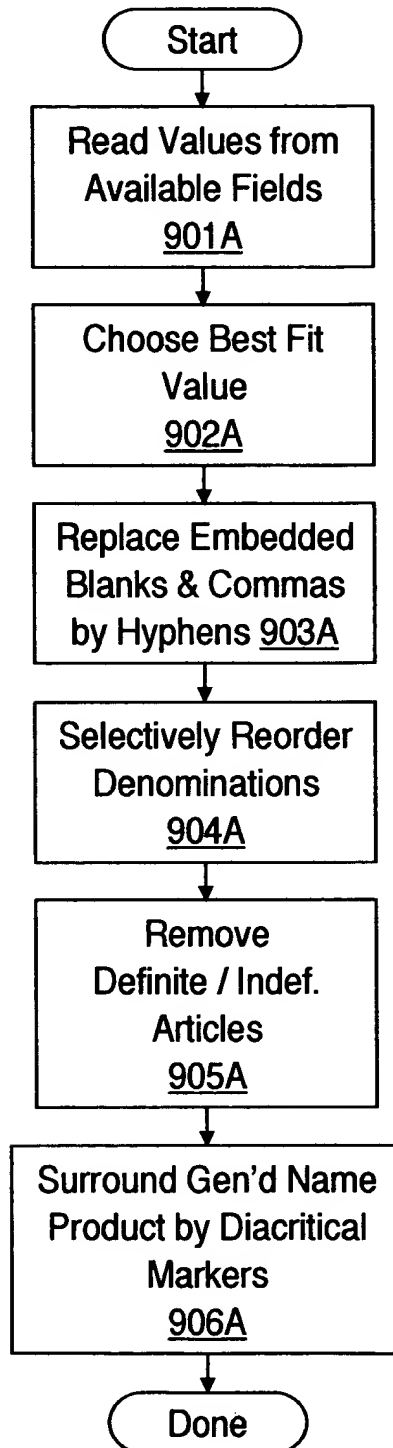


Fig. 9A

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900B

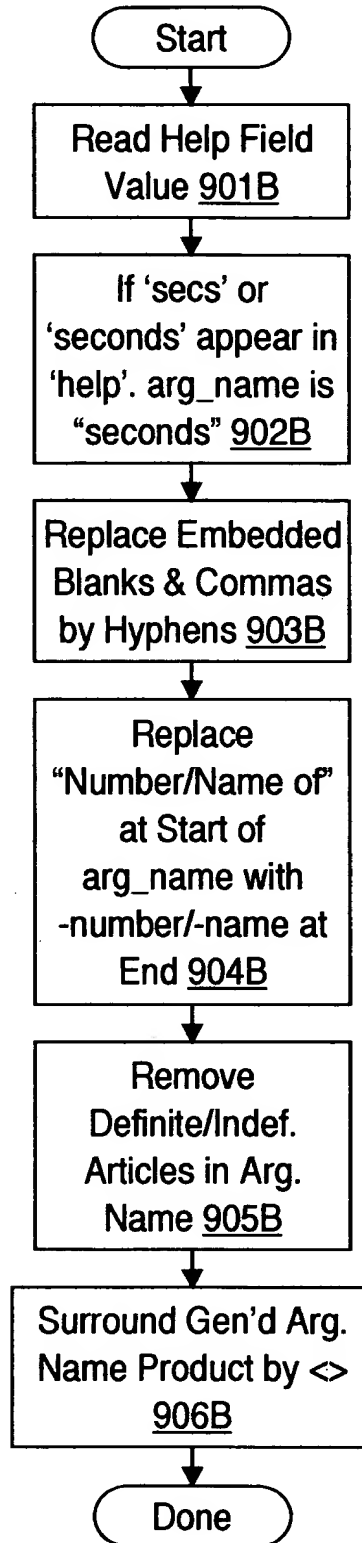
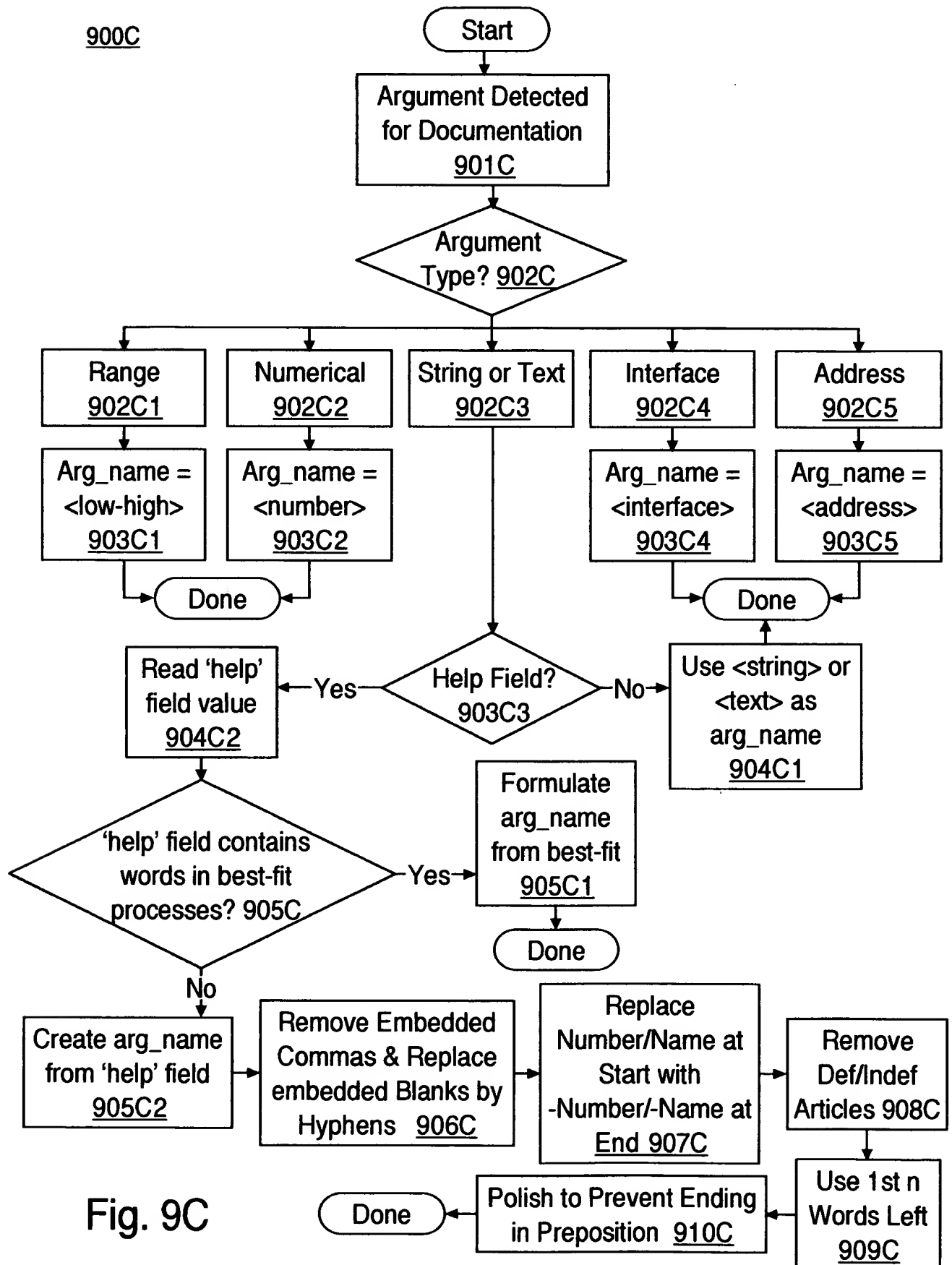


Fig. 9B

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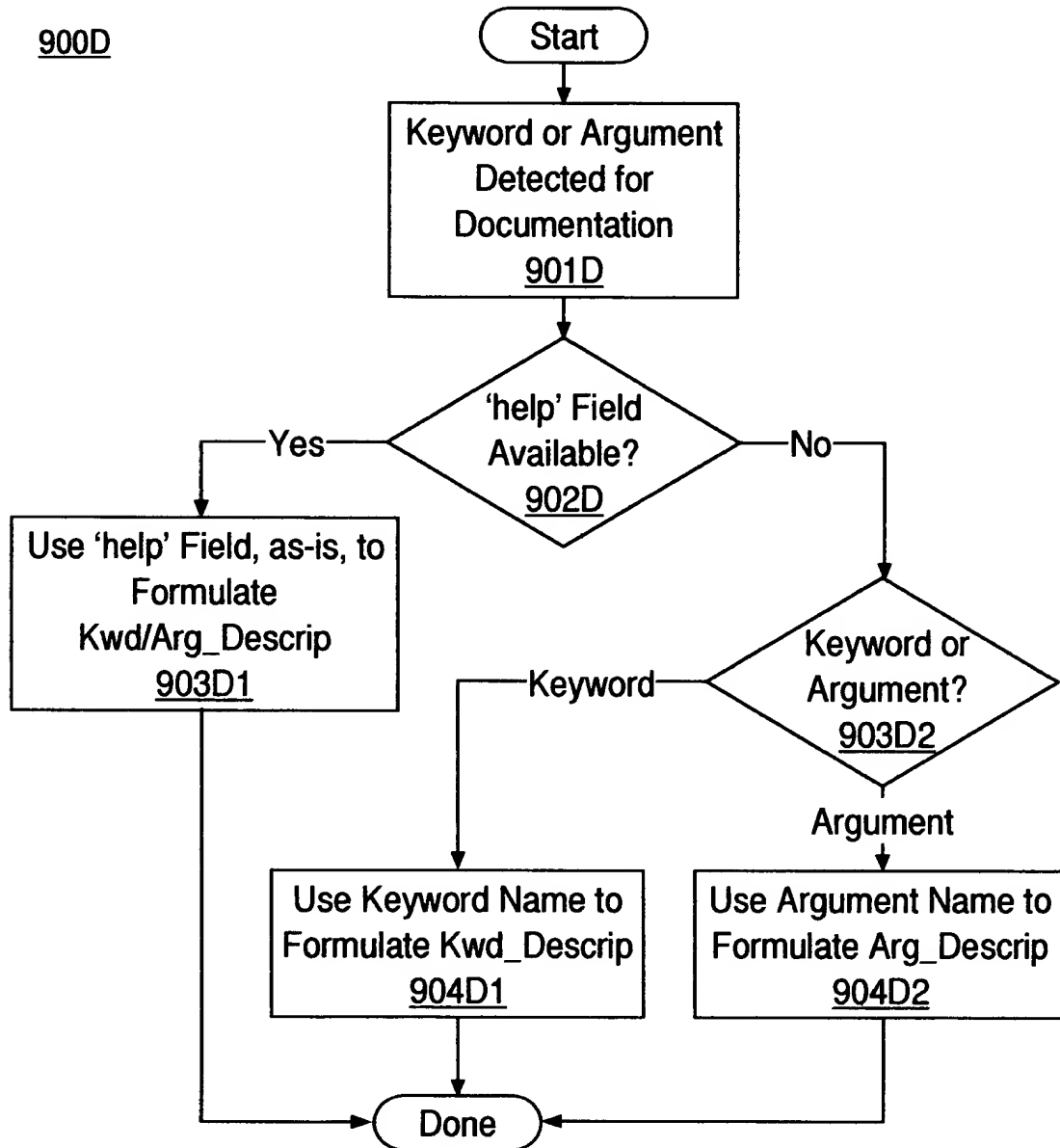


Fig. 9D

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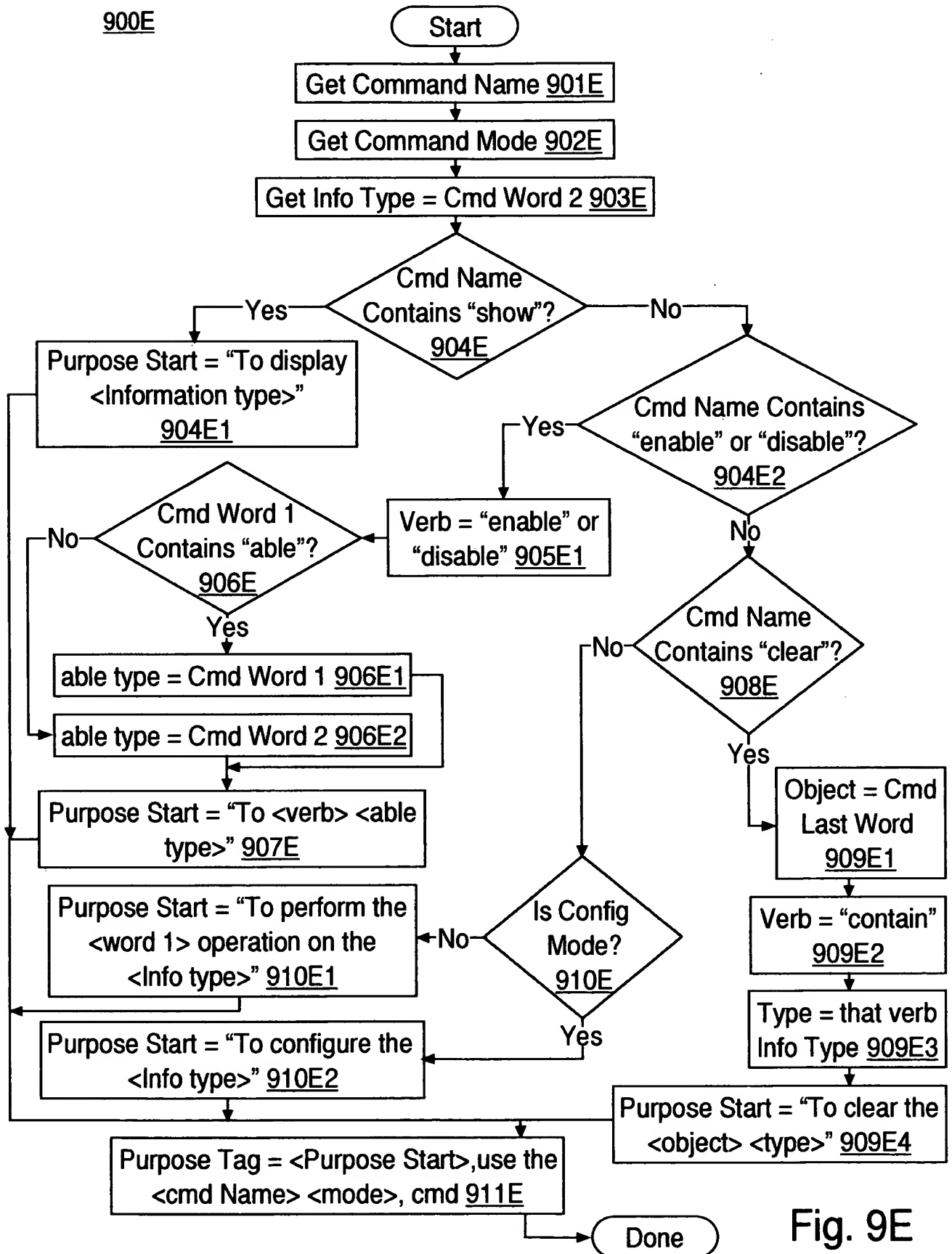


Fig. 9E



1000

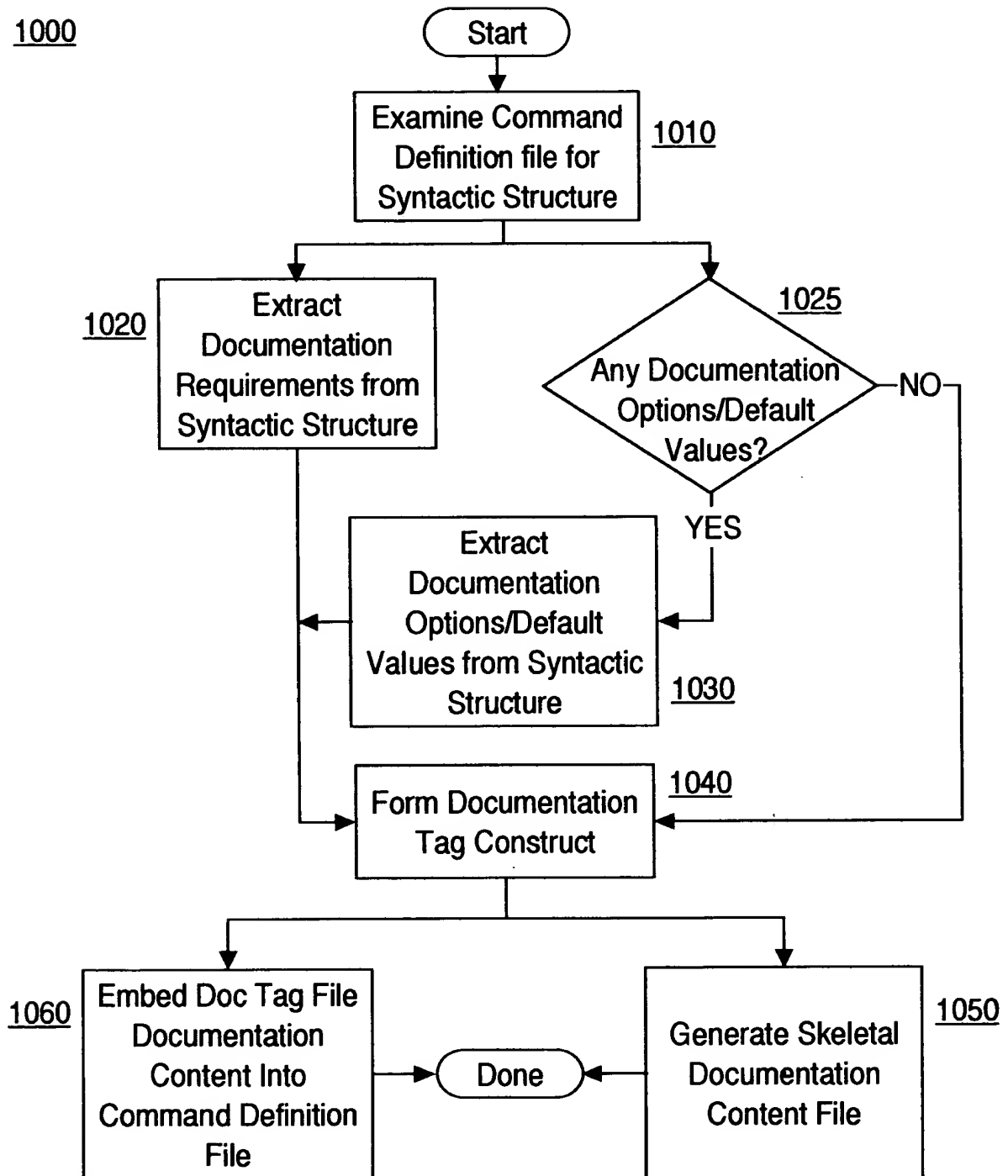


Fig. 10

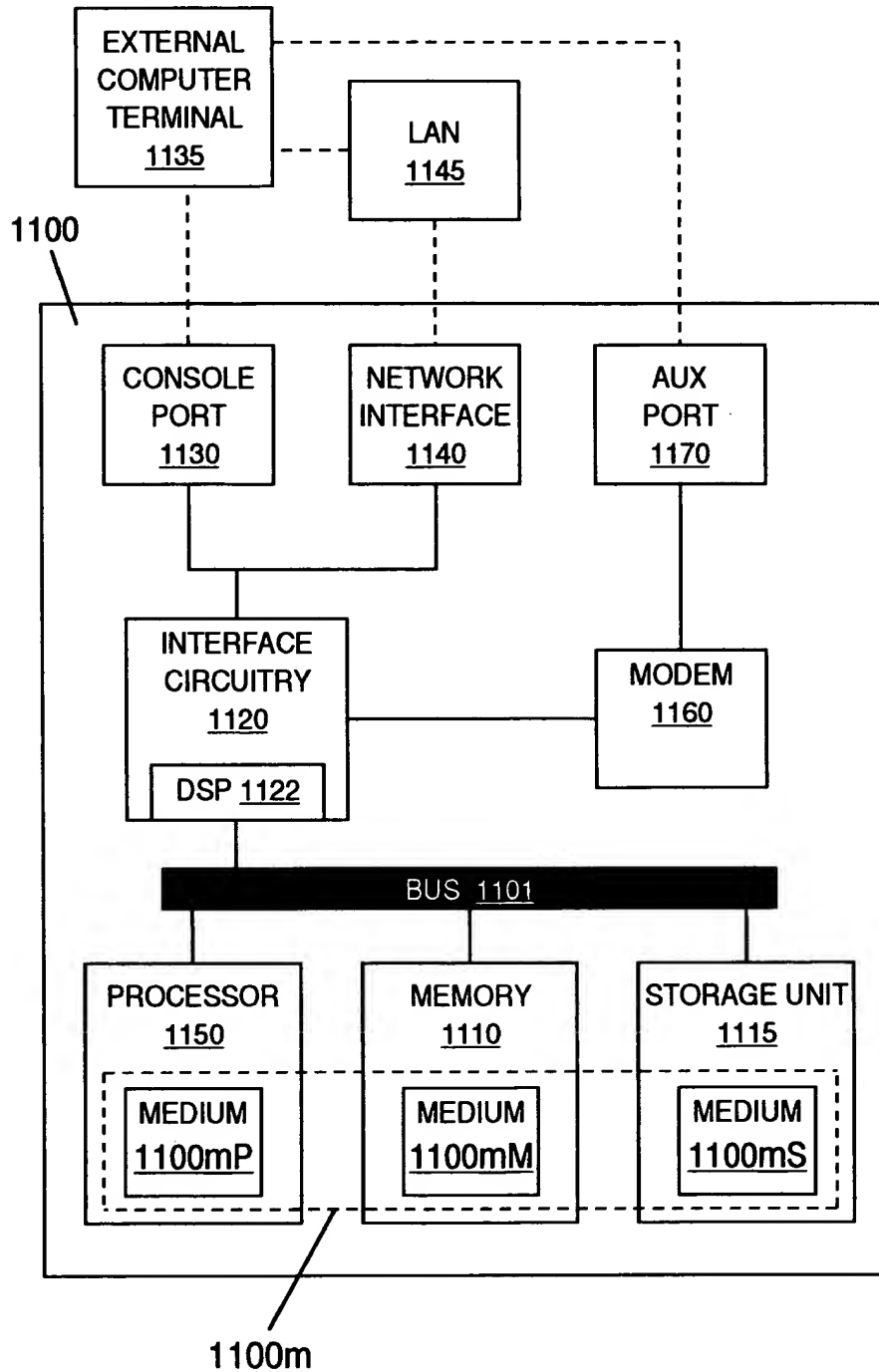


Fig. 11